

LINDA LINGLE
Governor

JAMES R. AIONA
Lieutenant Governor



Hawaii Invasive Species Council

Co-Chairs:
PETER T. YOUNG
SANDRA LEE KUNIMOTO

MEMBERS:

Theodore E. Liu
Chiyome L. Fukino M. D.
Rodney Haraga
Evan S. Dobelle, Ph. D.

PARTICIPANTS:

Micah A. Kane
Major General Robert G.F. Lee
Mark E. Recktenwald

COUNTIES:

Mayor Alan Arakawa
Mayor Bryan J. Baptiste
Mayor Jeremy Harris
Mayor Harry Kim

FEDERAL:

U.S. Department of Agriculture
U.S. Department of the Interior
U.S. Department of Defense

PUBLIC MEETING NOTICE

Tuesday, September 21, 2004
1:00 p.m. to 3:00 p.m.
Hawaii Department of Agriculture
Plant Quarantine Branch
1849 Auiki Street
Honolulu, Hawaii 96819

HAWAII INVASIVE SPECIES COUNCIL

A G E N D A

1. Call to Order - Introductions
2. Approval of minutes from March 1 and March 31.
3. Informational briefing on the status of Brown Tree Snake interdiction efforts on Guam.
Mike Pitzler (USDA – Animal and Plant Health Inspection Service – Wildlife Services)
4. Updates and summary of Working Group meetings
5. Approval of Invasive Species Budget for Fiscal Year 2005-2006
6. Approval of a plan for Removal of Invasive Species from State lands
7. Adjournment

Persons requiring special assistance or services such as sign language interpreter should call (808) 587-0164 at least three business days before the meeting.

Hawaii Invasive Species Council - 09/21/04
Budget Request Action Item

September 21, 2004

Chairpersons and Members
Hawaii Invasive Species Council
State of Hawaii

Council Members:

SUBJECT: Approval of Budget Request for the Hawaii Invasive Species Council (HISC)

The Administration's invasive species budget initiative calls for the expenditure of \$3,000,000 in state funds for a one year pilot project to provide support for both the operations of the Hawaii Invasive Species Council (HISC) and its cooperating partners to develop, and implement a partnership of Federal, State, County, and private entities for a comprehensive state-wide invasive species prevention, detection and control program. State dollars will be matched (1:1) by non-state dollars or equivalent in-kind services making this an overall effort of \$6 million. Redistributing the percentages allocated to each budget area as compared to the previous budget proposal will take advantage of the existing infrastructure of the island invasive species committees, provide jobs and involve the public with visible accomplishments on every island, and provide a stronger justification to support sustained funding for the 2005-2007 administration's invasive species budget request.

Although this budget request is under the Department of Land and Natural Resources, it includes and involves programs and projects through nine different departments, the four counties and federal and private partners. The funding will not replace any of the existing state, private, or federal funding, but will complement and expand on existing programs.

A preliminary detailed budget request is attached. The overall goals of the Administration's budget request for the Hawaii Invasive Species Council are to:

- Coordinate invasive species management and control programs for County, State, Federal and private sector entities by developing a structure for cooperators to work together to share resources and responsibilities to address specific invasive species issues;
- Increase inspection and other "prevention" capabilities to prevent high-risk invasive species and diseases (e.g. brown tree snake, West Nile Virus, etc.) from entry into the State, or to specific islands where they are not currently found;
- Accelerate the control of priority invasive species already present in the state (e.g. Miconia, coqui frogs, marine algae, etc.) by developing a more effective state-wide early detection and rapid response capability with the Island Invasive Species Committee and other response and control efforts;

**Hawaii Invasive Species Council - 09/21/04
Budget Request Action Item**

- Leverage increased involvement and expertise from private and academic sectors to assure that Hawaii has access to the most up-to-date, effective and efficient research and technology tools to combat invasive species; and
- Implement a coordinated statewide invasive species public outreach program with shared resources and responsibilities among cooperating entities.

The state funding is broken into four integrated components:

- 1) Building up **Prevention** capabilities (**33% of total funding**) such as; 1) increased numbers of and training for quarantine inspectors; 2) specialists to identify new insects, plants and diseases and 3) technicians/supervisors and needed infrastructure to lead invasive species control efforts on the ground;
- 2) Establishing **Response and Control** programs (**40% of total funding**) to conduct invasive species detection, response and control actions on the ground;
- 3) Enhance **Research and Applied Technology** funding (**20% of total funding**) for critical projects such as biological control, more effective increased survey and detection efforts, taxonomic identification, master geographical information system and associated database management as well as a matching grants program to the private and university sector for developing and applying technology for improved efficiencies in invasive species prevention and control efforts; and
- 4) Developing a **Public Outreach** Program (**7% of total funding**) in cooperation with the public and private sector for visitors and residents to increase voluntary compliance of quarantine laws, avoid accidental introductions of invasive species, and establishing an effective pest hotline that delivers timely information to managers on the ground.

This budget request has been aligned with both the Hawaii Invasive Species Council Strategic Plan and the HISC working group structures to assure not only compatibility with existing efforts but also accountability with specific measures of effectiveness. Lead HISC members will administer specific program components and HISC working groups will assure funding specifications address priority statewide issues and fit into HISC members' and cooperating partners' operational programs.

RECOMMENDATION:

That the Hawaii Invasive Species Council support the Administration budget request as part of the State of Hawaii's Strategic Plan for Invasive Species Prevention, Control, Research, and Public Outreach.

Hawaii Invasive Species Council
Budget and Spending plan
Fiscal year 2004-2005

Prevention

33% of total funding, \$990,000

Actions identified in the Hawaii Invasive Species Council Plan: 1) increased numbers of and training for quarantine staff; 2) specialists to identify new insects, plants and diseases and 3) technicians/supervisors and needed infrastructure to lead invasive species control efforts on the ground;

Proposed spending plan: This will be accomplished through a transfer of \$990,000 from the Hawaii Department of Land and Natural Resources to the Hawaii Department of Agriculture in the first quarter of the 2005 fiscal year (\$800,000 S 314 and \$190,000 G 042).

Requires a letter or other agreement between the Hawaii Department of Land and Natural Resources and the Director of Finance (currently being reviewed by DLNR – Fiscal).

Response and Control

40% of total funding, \$1,200,000

Actions identified in the Hawaii Invasive Species Council Plan: to conduct invasive species detection, response and control actions on the ground.

Proposed spending plan: The work of the island Invasive Species Committees on priority pests in each county will be supported along with a pilot marine response program being developed by the Department of Land and Natural Resources – Division of Aquatic resources in cooperation with Federal, private and county resources. The funds will be obligated in the first quarter (\$700,000 -G 042), second quarter (\$200,000 – S 314), third quarter (\$100,000 S 314) and fourth quarter (\$200,000 S 314) pending approval of project descriptions and purchase orders.

Response and Control

Invasive Species Committee Support	\$1,000,000		
		Hawaii	\$320,000
		Maui	\$240,000
		Oahu	\$220,000
		Kauai	\$220,000
Hawaii Department of Land and Natural Resources – Division of Aquatic Resources marine response team	\$200,000		
Total	\$1,200,000		

Research and Applied Technology
20% of total funding, \$600,000

Actions identified in the Hawaii Invasive Species Council Plan: for critical projects such as biological control, more effective increased survey and detection efforts, taxonomic identification, master geographical information system and associated database management as well as a matching grants program to the private and university sector for developing and applying technology for improved efficiencies in invasive species prevention and control efforts;

Proposed spending plan: timely information about invasive species is a necessary component of successfully carrying out this program. A request for research and technology proposals focusing on invasive species will be sent out three times over the first three quarters of the fiscal year. Applicants will be asked to identify new matching funds for their proposed projects and grantees will be asked to report on their results for the Hawaii Invasive Species Council. The awards will be distributed over three grant opportunities obligated in the second, third, and fourth quarters (October, January, and April from S 314). The Request for Proposals and proposal review will be developed and overseen by Hawaii Invasive Species Council agency staff assigned by the council members, county representatives, and representatives of key federal and private agencies.

		Funding obligated
Quarter	1	
	2	\$200,000
	3	\$200,000
	4	\$200,000
	Total	\$600,000

Public Outreach

7% of total funding, \$210,000

Actions identified in the Hawaii Invasive Species Council Plan: in cooperation with the public and private sector for visitors and residents to increase voluntary compliance of quarantine laws, avoid accidental introductions of invasive species, and establishing an effective pest hotline that delivers timely information to managers on the ground.

Proposed spending plan: The Public Outreach Working group has met and recommends that the staff and support strategy submitted in the strategic plan be followed. This includes hiring three additional outreach staff that will work with HISC agencies as well as the Coordinating Group on Alien Pest species to coordinate, support and develop information materials relating to invasive species. Funds will be obligated from G 042 (\$110,000) in the second quarter of fiscal year 2004 and \$100,000 from S 314 in the third quarter.

Hawaii Invasive Species Council outreach staff	\$72,500		
Operating funds	\$137,500		
Total	\$210,000		
		Total	\$233,000

LINDA LINGLE
Governor

JAMES R. AIONA
Lieutenant Governor



Hawaii Invasive Species Council

Co-Chairs:
PETER T. YOUNG
SANDRA LEE KUNIMOTO

MEMBERS:

Theodore E. Liu
Chiyome L. Fukino M. D.
Rodney Haraga
Evan S. Dobelle, Ph. D.

PARTICIPANTS:

Micah A. Kane
Major General Robert G.F. Lee
Mark E. Recktenwald

COUNTIES:

Mayor Alan Arakawa
Mayor Bryan J. Baptiste
Mayor Jeremy Harris
Mayor Harry Kim

FEDERAL:

U.S. Department of Agriculture
U.S. Department of the Interior
U.S. Department of Defense

Prevention Working Group

Budget Summary for FY04-05

The Prevention Working Group (PWG) met on August 6, 2004 and September 15, 2004 to discuss the status of prevention efforts in Hawaii, review the proposed Prevention Working Group Task List, and discuss, develop, and recommend a budget for the funding of invasive species prevention programs. The lead agency for the PWG is the Hawaii Department of Agriculture.

The PWG recommends that HISC fund four prevention initiatives for FY04-05. These include:

1) Hawaii Department of Agriculture.....	\$650,000
2) USDA/Wildlife Services.....	\$90,000
3) DLNR/Div. Aquatic Resources.....	\$75,000
4) Dept. of Health.....	\$175,000
Total.....	\$990,000

Each of these requests was originally for amounts greater than the allocations above. The allocations were adjusted to reflect the \$990,000 that is being allotted to the PWG as stated in the HISC spending plan for FY04-05.

1. Hawaii Department of Agriculture: The proposal is to conduct a risk analysis to determine the risk of entry of invasive species through ports of entry across the State and determine the effectiveness of current prevention efforts. HDOA intends to hire 13 research aid positions through RCUH to collect and analyze the data. The aids will work under the supervision of Plant Quarantine Inspectors at ports of entry. Data on commodities and pests entering the State will be collected during intense blitz inspections where 100% of commodities will be inspected, during enhanced inspections where thorough inspections of high-risk commodities, and during regular day-to-day inspections. The data will be analyzed concurrently with the inspections so that monthly reports can be generated. Money will be budgeted as follows:

Salary and fringe (13 FTE).....	\$278,000
Equipment & Supplies	\$1,200
Database development.....	\$100,000
Risk Assessments	\$270,800

2. USDA/Wildlife Services: The proposal is to conduct a pilot project using 2 canine handlers to inspect for brown tree snakes on ship containers on Guam that are destined for Hawaii. They will also place snake traps around these areas. The data collected will give information on the risk these containers pose to Hawaii. This is critical considering the recent cutbacks in the

USDA/WS program on Guam. The data will be important in the discussions on the need for a certification program for ship containers leaving Guam for Hawaii. Funding (\$90,000) will be for salary and fringe benefits.

3. Dept. of Land and Natural Resources/ Div. Aquatic Resources: The proposal is to conduct three integrated projects to increase communication between DAR, other state agencies, and the shipping industry to minimize aquatic invasive species introductions. The projects are:

- a) Establish a communication link between DAR, the Division of Boating and Ocean Recreation, and Department of Transportation – Harbors Division. \$40,000
- b) Participate in National Ballast Water Information Clearinghouse pilot project \$20,000
- c) Outreach campaign \$15,000

1.

4. Hawaii Department of Health: Improve surveillance and rapid response capabilities to address threat of West Nile Virus importation. This will be accomplished in two areas:

- a) Computer hardware and software \$25,000
- b) Response Equipment and supplies..... \$150,000
 - i.

LINDA LINGLE
Governor

JAMES R. AIONA
Lieutenant Governor



Hawaii Invasive Species Council

Co-Chairs:
PETER T. YOUNG
SANDRA LEE KUNIMOTO

MEMBERS:

Theodore E. Liu
Chiyome L. Fukino M. D.
Rodney Haraga
Evan S. Dobbelle, Ph. D.

PARTICIPANTS:

Micah A. Kane
Major General Robert G.F. Lee
Mark E. Recktenwald

COUNTIES:

Mayor Alan Arakawa
Mayor Bryan J. Baptiste
Mayor Jeremy Harris
Mayor Harry Kim

FEDERAL:

U.S. Department of Agriculture
U.S. Department of the Interior
U.S. Department of Defense

Established Pests Working Group

Budget Summary for FY04-05

The Established Pests Working Group (EWG) met on July 27, 2004 to review efforts in Hawaii to control established pests by the Hawaii Department of Agriculture, Department of Land and Natural Resources and Department of Health, review the proposed Established Pests Working Group Task List, review the list of invasive species generated by the Hawaii Invasive Species Council and discuss invasive species control programs. The lead agency for the EWG is the Hawaii Department of Land and Natural Resources.

The based on the discussion at the first EWG meeting the following distribution of HISC – Response and Control FY04-05 funds is recommended:

Support for Kauai Invasive Species Committee	\$220,000
Support for Oahu Invasive Species Committee	\$220,000
Support for Maui Invasive Species Committee	\$240,000
Support for Big Island Invasive Species Committee	\$320,000
DLNR - DAR Marine Invasive Species Response Team	\$200,000

Total \$1,200,000

While supporting the existing Invasive Species Committee partnerships and the new marine invasive species response team are priorities there was discussion on how to make sure the work done by the partnerships was evaluated by including long term monitoring for efficacy, that new species were being detected effectively and that participation by all agencies concerned was encouraged. The EWG will continue to address these issues as well as evaluating additional species for inclusion on the HISC list of invasive species and coordinating response and policy efforts for priority species.

LINDA LINGLE
Governor

JAMES R. AIONA
Lieutenant Governor



Hawaii Invasive Species Council

Co-Chairs:
PETER T. YOUNG
SANDRA LEE KUNIMOTO

MEMBERS:

Theodore E. Liu
Chiyome L. Fukino M. D.
Rodney Haraga
Evan S. Dobelle, Ph. D.

PARTICIPANTS:

Micah A. Kane
Major General Robert G.F. Lee
Mark E. Recktenwald

COUNTIES:

Mayor Alan Arakawa
Mayor Bryan J. Baptiste
Mayor Jeremy Harris
Mayor Harry Kim

FEDERAL:

U.S. Department of Agriculture
U.S. Department of the Interior
U.S. Department of Defense

Public Outreach Working Group

Budget Summary for FY04-05

The Public Outreach Working Group met five times between March and September. The lead agency for the working group is the Hawaii Department of Health. This working group has reviewed and updated the list of goals and tasks in the Interim State of Hawaii Strategic Plan, reviewed current efforts and developed an agency survey form to track current invasive species outreach efforts and matching fund needs. The working group identified priority messages for key species and outreach needs to be addressed in the coming year including: West Nile Virus, Coqui frogs, aquatic issues, Weed Risk Assessment, Port of Entry worker outreach, transport of pests (into the state, between islands, around islands), and Red Imported Fire Ant. The working group recognizes that including the Hawaii Department of Transportation and the Department of Education is important.

The outreach working group has identified three funding strategies for addressing the priority messages and needs:

1. Hire additional outreach staff and station them through out the State (Big Island, Oahu, and Kauai). Staff would be supervised by the Invasive Species Committees or other sponsoring agency but be responsible for carrying out a quarterly work plan determined by the participants in the Public Outreach Working Group.
2. Use new staff and funding to support outreach on priority species and messages including West Nile Virus, the Coordinating Group on Alien Pest Species "Don't pack a pest, Don't plant a pest, and Report a Pest" public service announcements. The group also decided to support the development of a website for the Hawaii Invasive Species Council that would be integrated with existing online resources.
3. Make grants available for existing programs carrying out invasive species outreach and provide opportunities to coordinate messages between groups relating to priority messages. A Request for Proposals is being developed and will be finalized at the next meeting.

The Public Outreach working group would also like to point out that outreach is an often under utilized part of the invasive species programs. While the working group hopes to increase understanding and visibility of the issue in the coming year, devoting more than 5% of the total budget to the effort in future requests would be helpful.

Hawaii Invasive Species Council - 09/21/04
Budget Request Action Item

September 21, 2004

Chairpersons and Members
Hawaii Invasive Species Council
State of Hawaii

Council Members:

SUBJECT: Removal of Invasive Species from State lands

The staff of the Department Land and Natural Resources, Division of Forestry and Wildlife is requesting the Hawaii Invasive Species Council's approval to remove invasive tree species from State lands under the existing permitting systems. State lands contain stands of tree species that were planted during the previous century for reforestation and are now spreading into native forest. Many of these tree species have economic uses and could be removed with minimal impact in certain areas. Allowing Department personnel and contractors to remove invasive trees with a special use permit or equivalent as an invasive species control function would facilitate invasive species control by creating an additional mechanism for the removal of certain species. Permits issued by the Department would require that tree removal not degrade the area or lead to invasion of more harmful plant species. Permits would be approved on a case-by-case basis and would have to be in accordance with current rules and regulations that apply to the area under consideration.

RECOMMENDATION:

That the Hawaii Invasive Species Council support the removal of invasive tree species from State lands.